

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 May 2003 (15.05.2003)

PCT

(10) International Publication Number
WO 03/039443 A2

(51) International Patent Classification⁷: **A61K**

(21) International Application Number: PCT/EP02/12303

(22) International Filing Date:
4 November 2002 (04.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
01126244.1 5 November 2001 (05.11.2001) EP
02009758.0 30 April 2002 (30.04.2002) EP

(71) Applicants (for all designated States except US):
DEUTSCHES KREBSFORSCHUNGSZENTRUM
[DE/DE]; Im Neuenheimer Feld 280, 69120 Heidelberg
(DE). **LUDWIG-MAXIMILIANS -UNIVERSITÄT**
[DE/DE]; Geschwister-Scholl-Platz 1, 80539 Munich
(DE).

(71) Applicants and

(72) Inventors: **HAERLACH, Torsten** [DE/DE]; Springer-
strasse 8, 81477 Munich (DE). **SCHOCH, Claudia**
[DE/DE]; Springerstrasse 8, 81477 Munich (DE). **KERN,**
Wolfgang [DE/DE]; Hanfelder Strasse 101, 82319 Starn-
berg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KOHLMANN,**
Alexander [DE/DE]; Schwarzstrasse 14, 92318 Neu-
markt (DE). **SCHNITTGER, Susanne** [DE/DE]; Saal-
burgstrasse 2a, 81375 Munich (DE). **DUGAS, Martin**

[DE/DE]; Am Heidebruch 6, 81377 Munich (DE). **EILS,**
Roland [DE/DE]; Strahlenberger Strasse 26, 69198
Schriesheim (DE). **BRORS, Benedikt** [DE/DE]; Im
Linsenhühl 42, 69221 Dossenheim (DE). **MERGEN-**
THALER, Susanne [DE/DE]; Grubmühlerfeldstr. 19,
82131 Gauting (DE).

(74) Agent: **VOSSIUS & PARTNER**; Siebertstrasse 4, 81675
Munich (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **NOVEL GENETIC MARKERS FOR LEUKEMIAS**

(57) Abstract: The present invention is related to methods for detecting leukemia cells by determining the expression profile of a group of markers. In particular, the type or subtype of leukemia cells in a sample is determined. Further, uses of the group of markers is disclosed and compositions comprising these markers.



WO 03/039443 A2